



#4 1765

03500.016022.

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
HIROSHI AOTO, et al.) Group Art Unit: 1765
Application No.: 10/014,355)
Filed: December 14, 2001)
For: BaTiO₃ - PbTiO₃ SERIES SINGLE)
CRYSTAL AND METHOD OF)
MANUFACTURING THE SAME,)
PIEZOELECTRIC TYPE)
ACTUATOR AND LIQUID)
DISCHARGE HEAD USING)
SUCH PIEZOELECTRIC TYPE)
ACTUATOR) April 22, 2002

Commissioner for Patents
Washington, D.C. 20231

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TC 1700

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed below and on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

- (1) U.S. Patent No. 6,020,675
- (2) Japan 59-3091
- (3) Japan 62-30687
- (4) Japan 4-300296
- (5) Japan 5-155696
- (6) Japan 5-155697
- (7) Japan 6-321698
- (8) Japan 9-59096
- (9) Japan 9-188597
- (10) Japan 9-263496

References (2), (4) to (8) and (10) were discussed at pages 2 to 4 of the specification. Reference (9) was discussed at page 9 of the specification. Reference (1) is believed to be an English language counterpart of reference (9). English language abstracts for references (2) to (10) are enclosed.

Inasmuch as the subject application has not yet received a first Office Action, it is believed that this Information Disclosure Statement is timely. See 37 C.F.R. 1.97(b)(3). Accordingly, the Examiner is urged to study this information in its entirety and to form an independent determination of the materiality of the information to the claimed invention. Additionally, the Examiner is requested to indicate that this information has been considered by initialing the appropriate portion of Form PTO-1449.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office by telephone at (714) 540-8700. All correspondence should continue to be directed to our address given below.

Respectfully submitted,


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